

IN THE CLAIMS:

Please amend claims 1-10 as follows. Please add new claim 11 as recited below.

1. (Currently Amended) A method of ~~allocated~~ allocating a channel in a mobile system, ~~characterized by comprising the steps of comprising:~~

arranging in the system unallocated telecommunication channels between a base station controller and a base station,

~~allocated~~ allocating in call set-up at least one of said telecommunication channels to the base station handling the call, and

controlling the base station controller to transmit information to the base station on the telecommunication channel allocated thereto.

2. (Currently Amended) A method as claimed in claim 1, ~~characterized in that~~ wherein said telecommunication channels are circuit-switched and that in ~~that~~ in the method;

said telecommunication channels are classified on the basis of their characteristics into at least two categories, i.e. primary telecommunication channels and secondary telecommunication channels, and

in call set-up, a primary telecommunication channel, if available, is allocated to the base station, otherwise a free secondary telecommunication channel is allocated thereto.

3. (Currently Amended) A method as claimed in claim 2, ~~characterized in that~~
wherein said free telecommunication channels are classified into categories on the basis
of their data transmission capacity or quality such that the primary telecommunication
channels have larger data transmission capacity or they are of better quality than the
secondary telecommunication channels.

4. (Currently Amended) A mobile system, which comprises
a base station controller (BSC) and
at least a first and a second base station (~~BTS1, BTS2~~), which comprise
transceiver units (~~TRX1 to TRX3~~) for establishing a telecommunication connection by
radio signals to the subscriber terminals located in the base station coverage area and
switching means (~~S1 to S5~~) for switching the base station transceiver units onto a
particular channel of a plurality of optional telecommunication channels between the base
station controller (BSC) and the base stations (~~BTS1, BTS2~~), ~~characterized in that~~
wherein

the base station controller (BSC) comprises control means (4) which in call set-up
allocate at least one of said telecommunication channels (~~CH1 to CH6~~) to the first
(~~BTS1~~) or the second (~~BTS2~~) base station for the duration of the call and which transmit
a predetermined message indicating the allocated telecommunication channel to the base
station to whom the channel is allocated, and that

the switching means (~~S1 to S5~~) of the first, and correspondingly, of the second base station (~~BTS1, BTS2~~) are responsive to said message for switching the base station transceiver units (~~TRX1 to TRX3~~) to the telecommunication channel (~~CH1 to CH6~~) assigned by said message.

5. (Currently Amended) A mobile system as claimed in claim 4, ~~characterized in~~ that wherein

said telecommunication channels are circuit-switched telecommunication channels that are classified on the basis of their characteristics into at least two categories, that is, into primary telecommunication channels (~~CH1 to CH4~~) and secondary telecommunication channels (~~CH5, CH6~~) and that

said control means (1) allocate in call set-up a primary telecommunication channel (~~CH1 to CH4~~), if available, to the call, otherwise a free, secondary (~~CH5, CH6~~) telecommunication channel is allocated thereto.

6. (Currently Amended) A mobile system as claimed in claim 4, ~~characterized in~~ that wherein the primary telecommunication channels have larger data transmission capacity or they are of better quality than the secondary telecommunication channels.

7. (Currently Amended) A mobile system as claimed in claim 4 ~~characterized in~~ that wherein said message indicating the allocated telecommunication channel (~~CH1 to~~

~~CH6~~) also indicates a radio channel to be used in the call to the transceiver unit (~~TRX1 to TRX3~~) of the base station.

8. (Currently Amended) A mobile system as claimed in claim 4 ~~characterized in~~ that wherein

said mobile system is the GSM system and

said message consists of a CHANNEL ACTIVATION message in accordance with the GSM specifications part 08.58, to which is added information on the telecommunication channel allocated to the base station.

9. (Currently Amended) A mobile system base station, which comprises transceiver units (~~TRX1 to TRX3~~) for establishing a telecommunication connection by radio signals to the subscriber terminals located in the coverage area of the base station, and

switching means (~~S1 to S6~~) for switching its transceiver units (~~TRX1 to TRX3~~) to particular channels of a plurality of optional circuit-switched telecommunication channels (~~Ch1 to CH6~~), ~~characterized in that the~~ said switching means (~~S1 to S6~~) are being responsive to ~~the~~ a message received by the base station (~~BTS1, BTS2~~) in conjunction with the call set-up for switching a particular transceiver unit (~~TRX1 to TX3~~) onto the circuit-switched telecommunication channel indicated by the message for ~~the duration of~~ the call.

10. (Currently Amended) A base station as claimed in claim 9, ~~characterized in~~ that wherein said particular transceiver unit (~~TRX1 to TRX3~~) comprises means for applying a radio channel assigned by the message for the duration of the call to be established.

11. (New) A base station controller comprising:

means for communicating with base stations via a plurality of optional telecommunication channels between the base station controller and the base stations, and

control means which are arranged to allocate in call set-up at least one of said telecommunication channels to a base station for a call and which are arranged to transmit a predetermined message indicating the allocated telecommunication channel to the base station to whom the channel is allocated.